

Rose-Hulman Institute of Technology

## Rose-Hulman Scholar

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The Rose Thorn Archive

Student Newspaper

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Spring 4-28-1984

### Volume 19 - Issue 27 - Saturday, April 28, 1984

Rose Thorn Staff

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## Special

the Rose  
Thorn

## Edition

## Welcome Parents!

If you are lucky enough to be here today, then you are visiting one of the finest engineering schools in the country.

Today's Show is an expression of this excellence: from a highly-ranked chemistry department to an award-winning drill team, the demonstrations and performances you see today are what we are and what we do.

This edition is the **THORN** staff's way of saying "Welcome!"; in it, we have tried to provide some interesting features about the persons and places that make up the Rose-Hulman community.

"One of our objectives is to provide the general public and our parents with an opportunity to have fun while learning about the world of science and engineering," says Tim Marquart, student chairman of today's Rose Show which is sponsored by Blue Key Honor

Fraternity.

"Guests will have a chance to ride in a 170-pound concrete canoe and find out why it will float," he noted. "Also, they will learn how a model bridge made from lightweight balsa wood can withstand up to 600 pounds of stress as students compete in a bridge-busting contest," the Ft. Wayne junior explained (see PAGE 7).

In another experiment, students will test just how much visitors will trust the students' knowledge of chemical engineering. According to Marquart, "Free cups of coffee will be offered, but the coffee will not be processed with the same kind of water you would use at home," he cautioned (see PAGE 6).

Additional experiments will involve lasers, computer graphics, micro-computers, infra-red photography,

electricity and magnetism.

One very special aspect of today's Rose show is the drama club's performance of "Damn Yankees," a musical about baseball and fun. Here guests will have the chance to see the purely creative side of the engineering personality (see PAGE 4).

Today's events also present contests for the sports enthusiasts: The Engineer tennis team hosts IUPUI and the baseball squad takes on Franklin College (see PAGE 11).

The schedule of events concludes Sunday with the annual Greek Games sponsored by the Inter-fraternity Council. The activities include competition between Rose-Hulman's seven national fraternities in events ranging from cart and canoe races to a tug-of-war and songfest (see PAGE 10).

## Schedule of Events

## FRIDAY, APRIL 27

- 6:00 p.m. - ? "Parents' Association Campfire Party" (west of Fieldhouse)  
8:00 p.m. Drama Club presents "Damn Yankees" (Auditorium)

## SATURDAY, APRIL 28

- 10:00 a.m. Registration (Phil Brown Field)  
10:15 a.m. Welcome by Dr. James R. Eifert  
Rose Rifles  
11:00 a.m. Rose Tennis Team vs. IU-PU  
(Indianapolis) (Tennis Courts)  
11:00 a.m.-1:30 p.m. Lunch (Student Union)  
11:00 a.m.-4:00 p.m. "The Rose Show"—Sponsored by  
Blue Key (Moench Hall)  
11:30 a.m.-3:30 p.m. Photographer available for "Old  
Fashioned" Pictures—Sponsored  
by SAB (Student Union)  
1:00 p.m. Rose Varsity Baseball vs. Franklin  
Double Header (Art Neff Field)  
1:30 p.m. Father/Son Free Throw Contest  
(Fieldhouse)  
3:00 p.m. Drama Club presents "Damn  
Yankees" (Auditorium)  
4:00 p.m. Rose Christian Fellowship Presen-  
tation (Library Basement)  
6:00 p.m.-6:30 p.m. Dinner—Student Union Building  
(Performing Arts Room)  
8:30 p.m. Drama Club presents "Damn  
Yankees" (Auditorium)

SUNDAY, APRIL 29 (tentative schedule)  
GREEK GAMES

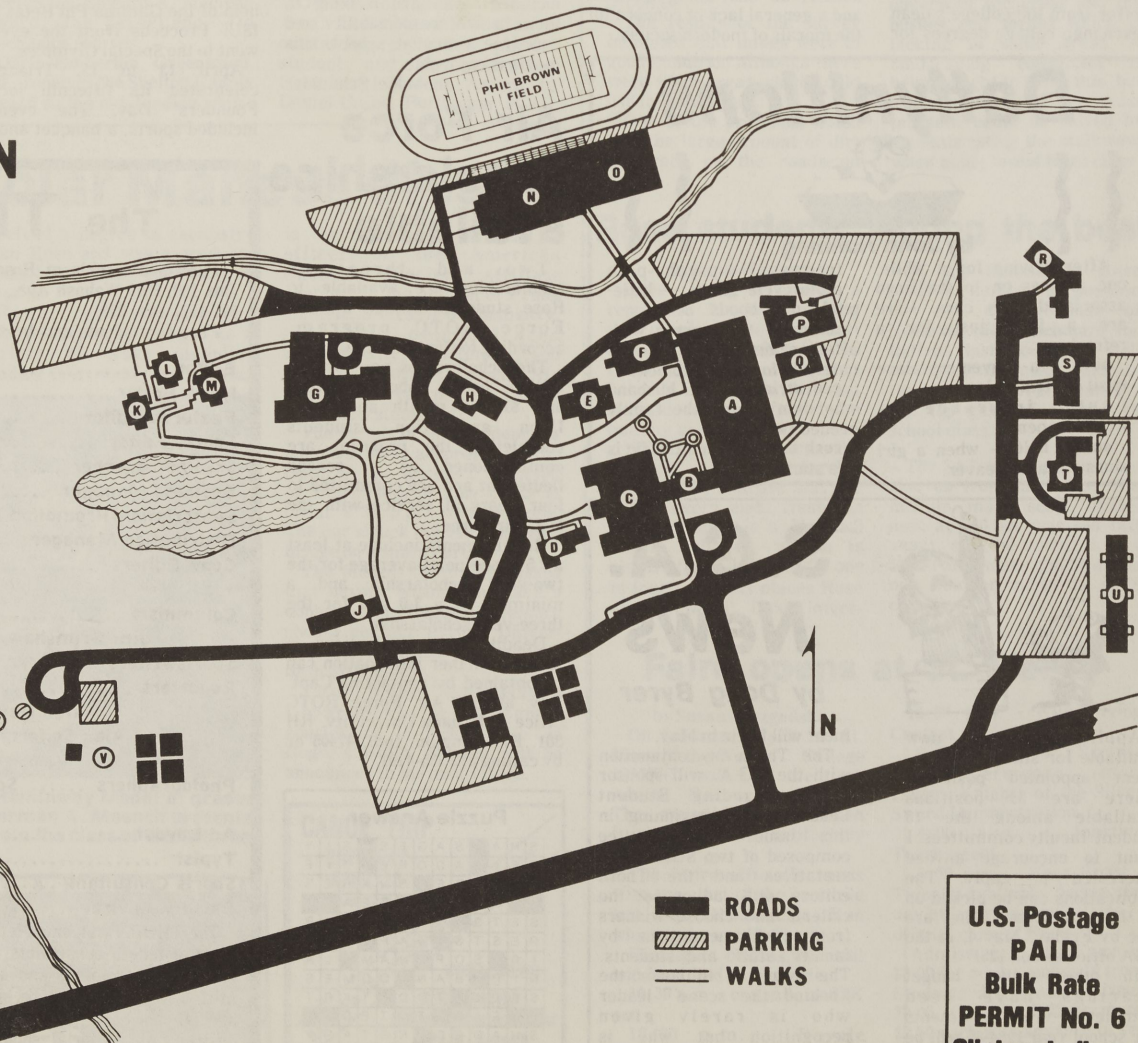
- 10:40 a.m. (Sharp) Main Gate Closes  
11:00 a.m. Cart Race (two heats)  
11:50 a.m. Main Gates Open  
11:30 a.m.-1:00 p.m. Lunch  
12:00 Noon Canoe Race  
1:30 p.m. Fifteen Man Pyramid (Phil Brown  
Field)  
3:00 p.m. Tug of War (Phil Brown Field)  
4:00 p.m. Obstacle Course (practice field)  
7:30 p.m. Songfest (Student Union)

## In this edition

- Features ..... p. 2
- News Briefs ..... p. 3
- Honors and Awards tonight ..... p. 3
- Tragic death of recent graduate ..... p. 3
- Alums honored ..... p. 3
- Damn Yankees: a "great time for everyone" ..... p. 4
- WMHD — where Music Has Dimension ..... p. 5
- Rose on Display ..... p. 6 & 7
- Dr. Hulbert — international expert, college president, human being ..... p. 8
- Students of the month ..... p. 9
- Greek Games ..... p. 10
- Sports ..... p. 11
- Campus Notes, Crossword puzzle, Ray's Brainbusters ..... p. 12

## ROSE-HULMAN

- A. Moench Hall  
(classrooms, labs and auditorium)
- B. Hadley Hall  
(administration)
- C. Olin Hall  
(classrooms and laboratories)
- D. Templeton Alumni Center
- E. Logan Library
- F. Crapo Hall  
(classrooms & computer center)
- G. Hulman Memorial Union  
(food service & bookstore)
- H. Deming Hall (health service)
- I. Baur-Sames-Bogart Hall
- J. Speed Hall
- K. Blumberg Hall
- L. Scharpenberg Hall
- M. Mees Hall
- N. Shook Fieldhouse
- O. E.E. Black Recreation Center
- P. Maintenance Department
- Q. Rotz Mechanical Engineering Lab
- R. Alpha Tau Omega Fraternity
- S. Triangle Fraternity
- T. Lambda Chi Alpha Fraternity
- U. Apartment Dormitories
- V. Lynn Reeder Lab
- W. Observatory
- U-APT (Not Shown)



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# EDITORIAL

## Take the time

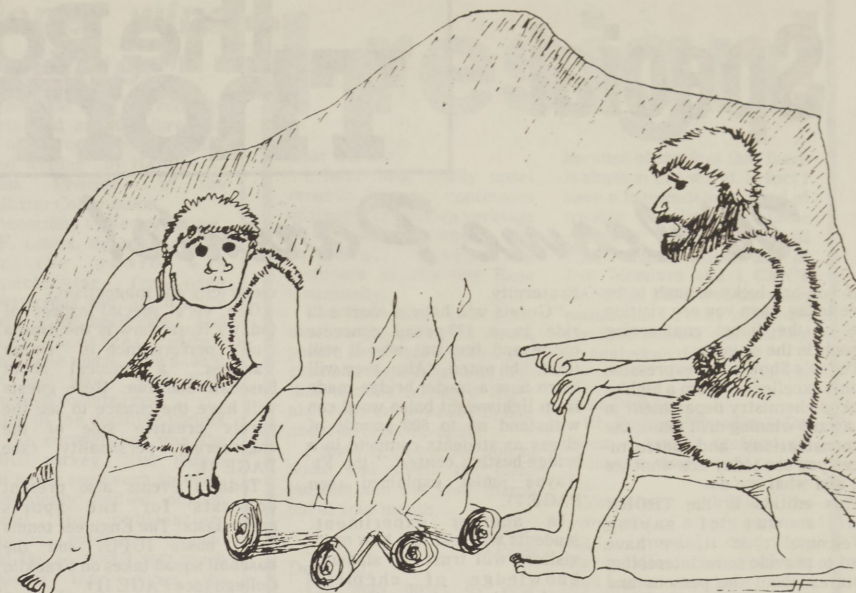
If a mother asked her Rose-Hulman son "just what are you doing at Rose?" most students would have trouble explaining. The Rose Show is the perfect opportunity for parents to see their sons in action and for students to show off their abilities to their number one audience: Mom and Dad.

It is really surprising how hard the transition from high school to college can be. Almost every freshman is spending his first block of time away from home and on his own. And for some students the freedom is great, but may change a student's quality of performance. Sometimes parents just do not understand this — and a student may not be willing to explain every detail that contributed to a less than brilliant performance on a test.

The Rose Show is a chance for a Rose student to show his parents what he has learned in and out of the classroom. While colleges exist to teach fundamental academic principles, there is much more to college life than studying.

Parents' Day at Rose is also a chance for parents to learn about all the things their son has mentioned through usually all-too-brief letters and phone calls. The interested parent who asks the right questions can really learn what it is like to be a student — the daily problems, dilemmas and fun.

So take the time — today is one of the few times the opportunity will exist for parents to get a little closer to Rose students by learning about their sons' future livelihood.



HEY, I HEAR THEY HAVE ENOUGH OF THIS STUFF IN RUSSIA TO BURN THE WORLD THREE TIMES OVER!

### Cinemascope

## Up the Creek for real men

Starring - Tim Matheson  
Rated R  
Now showing at  
Plaza North Cinema

**Up the Creek** is a comedy on a college student's level. It is funny and wild but not stupid or pointless.

The movie features Tim Matheson as Chuck McGraw, the country's worst college student who attends Lepetomane, the country's worst college. And when Chuck and his friends get an offer from the college's dean to exchange college degrees for

an intercollegiate raft race win, they jump at the chance.

Most of the film covers the literally explosive raft race where competitors try to win at all costs. With sabotage running rampant, the viewer wonders if anyone will win the race.

Tim Matheson, also in *Animal House* and *To Be or Not to Be*, was hilarious. With a comedy style similar to Chevy Chase, Matheson has a dry sense of humor, an easy-going manner, and a general lack of concern for the morals of modern society.

A party atmosphere pervades the whole movie. This is the main reason the movie was enjoyable: it portrayed hundreds of students getting crazy and having the time of their lives.

**Up the Creek** is not for everyone, though. It seemed especially geared for the college-age wildman. Anyone who never has or never wanted to throw all caution to the wind definitely will not enjoy this. But for most college students (myself included) who are basking in their lack of responsibility and care-free times at school, this movie is enjoyable.

— Joel Schneider

## Air Force scholarships available

Two and three-year scholarships are available to Rose students through the Air Force ROTC program, according to Captain Julia Ray.

The scholarships pay for full tuition, books, laboratory fees and \$100 a month allowance. Upon graduation, students completing the program are commissioned as a second lieutenant and are committed to four years of service with the U.S. Air Force.

Requirements include at least a 2.5 grade point average for the two-year scholarship and a minimum of a 3.0 gpa for the three-year scholarship.

Deadline for applications is May 7. Further information can be obtained by contacting Capt. Ray at the Air Force ROTC office at Indiana University, RH 301, Bloomington, Ind., 47405 or by calling 812-335-4191.

### Puzzle Answer

S	H	A	S	A	G	E	S	S	L	Y
E	E	L	A	D	O	R	E	T	I	E
E	M	E	R	G	E	S	N	A	R	E
R	E	A	P	S	T	E	A			
S	E	T	S	T	A	B	S	T	A	B
P	E	S	T	S	T	A	P	A	B	E
I	R	S	O	P	H	A	M	L	A	
N	T	P	B	A	N	D	O	M	E	S
S	E	L	L	T	O	D	T	A	R	T
E	A	R	T	O	T	E	D			
S	H	A	D	E	D	N	O	T	A	R
A	I	D	D	E	P	O	T	M	O	E
P	E	S	S	E	A	R	S	E	A	T

## FRATERNITY RHO

by Rumberg and Weis

Four members of Sigma Nu (Vern van Nostran, Brian Glaze, Jack Grote, and Tom Miltner) attended a workshop at Illinois State University on Sat., April 7.

The FIJIs pledged two freshmen, Andy Jones and Doug Morris. And on April 8th, the FIJIs staged a track meet for local fourth graders with the help of the Gamma Phi Betas of ISU. Proceeds from the event went to the Special Olympics.

April 13 to 15, Triangle celebrated its fifteenth local Founders' Day. The events included sports, a banquet and a

party. Dr. John A. Logan, a National Honorary, was the guest speaker. Carv Laxer was Outstanding Teacher of the year, and Kim Napier was Chapter Sweetheart.

On April 15, Lambda Chi Alpha presented its First Annual Easter Egg Hunt for the children of Rose's faculty and staff.

Delta Sigma Phi's Basketball Marathon was a success and earned over \$700. The final score was 2201. Eight people guessed the score correctly and 40 were within one point.

## Daffynitions



After driving for a while, one catches on to the lingo associated with cars. Here are a few, just for a refresher:

**auto** — a convenient place to sit out traffic jams.

**auto insurance** — wreakcompense.

**safety belt** — when a girl slaps an eager beaver.

**freeway** — psycho-path motorcycle gangs — little-read riding hoods.

**motorist** — a person who, after seeing a wreck, drives carefully for several blocks.

**pedestrian** — a husband who didn't think the family needed two cars.

**rush hour** — when traffic is at a standstill.

## S.G.A. News

by Doug Byrer



Applications are now available for student government appointed positions. There are 39 positions available among the 13 student faculty committees. I want to encourage anyone interested to apply. The applications can be picked up at the switchboard. They are due by Friday, May 4, in the SGA office or box 125.

In other news, budget hearings have been completed. The allotments for school year 1984-85 will be finalized by May 4. A new venture for student govern-

ment will begin in May.

The Thorn in conjunction with the S.G.A. will sponsor an Outstanding Student Leader award beginning in this issue. A committee composed of two SGA representatives and the Thorn editors will advertise the criteria and choose winners from recommendations by faculty, staff, and students. The award is to honor the "behind the scene" leader who is rarely given recognition but who is essential to the quality of student life.

## The THORN

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The THORN welcomes letters or comments from readers. In view of length constraints, we reserve the right to limit the lengths of comments and use excerpts from letters. All submitted material must be signed. We will withhold names in special cases only. Articles, ideas and announcements are also desired. All material should be submitted one week before publication.



## Lack of funds delays Moench Hall renovation

by Scott Haney

The current construction of Moench Hall will be completed by the beginning of next school year, but plans for the renovation of the remainder of the building have been temporarily stalled.

Ron Reeves, Vice President for Development and External Affairs, said that Rose does not have enough money on hand to complete the project immediately. "The past year has been a poor year for corporate donations," he said, pointing out that most of the renovation funds come from these gifts. He added

that a lot of the monies used for A and B sections came from old pledges as well.

Alumni donations are not used for the building funds, but for scholarship and departmental monies. "It's hard to put a building together using \$50 donations from alumni," said Reeves. Millions of dollars are donated by various firms to supply new facilities, and the management decision to give Rose the money may take quite a long time.

Reeves said that with the economy looking better,

however, many corporations that wouldn't even discuss contributions last year are "opening up." It is impossible to tell in advance whether a particular company will donate, how much it will donate, or even when the funds will be available. Some companies will send their gifts in installments, so construction must be scheduled around that as well.

"It's really not a question of whether the renovation will be completed, but when," Reeves stated, pointing out that this is only a delay, and not an abandonment of the project.

## Rose presents honors and awards

This Saturday, Rose-Hulman will be holding its annual Honors and Awards Banquet. The speaker at the banquet will be Lewis Slater, president of Wabash College. He will be introduced by Dr. John Logan, former President of Rose.

Four students will receive dual honors including David Patterson, Franklin, Ind., the Carl Wischmeyer Award to the student with the highest grade point average after the junior year and the Cummins Engine Co. Award to the outstanding senior mechanical engineering major; Eric Murray, So. Portland, Maine, the John Rhee Award as the outstanding senior physics major and The Coblentz Society Award for excellence in spectroscopy; Bryan Harmon, Greenwood, Ind., the Paul N. Bogart Prize presented to the sophomore with the best grade point average and the Undergraduate Award in Analytical Chemistry; and Baron Gemmer, Indianapolis, Ind., the Electrical Engineering Sophomore-of-the-Year Award and the Certificate of Merit in Mathematics.

Other awards go to Byron Bishop, Salem, Ore., Bruce Carpenter, Shelbyville, Ind., Roger Davidson, Edina, Mo., and Greg Hoffman, Jasper, Ind., who all received the Heminway Bronze Medal for having the top grade point average after the freshman year.

Those students to be honored

by the Chemical Engineering Department are Rodney Braun, Whiting, Ind., the Pfizer Award, presented to the outstanding senior chemical engineering student; Bret Small, Huntingburg, Ind., the Eli Lilly Award, presented to the outstanding junior chemical engineering student; and the American Institute of Chemical Engineers Award to Thomas Slater, Bourbonnais, Ill., as the junior chemical engineering major with the best grade point average.

Honors to students in electrical engineering will be presented to Patrick Meharry, Brownsburg, Ind., Institute of Electrical and Electronics Engineers Outstanding Member Award; Donald Steiss, Jr., Tampa, Fla., the Outstanding Senior Electrical Engineering Award and Brian Myers, Connersville, Ind., the Clarence C. Knipmeyer Award to the outstanding junior electrical engineering major.

The Mueller Company Award to the outstanding junior mechanical engineering student goes to James P. Grimshaw, Danville, Ind., while Larry Nugent, Louisville, Ky., will receive the Edward A. Maclean Award for excellence in mechanics courses.

Darin Emberton, Greenwood, Ind., receives the Shelton Hannig Award as the outstanding senior

civil engineering major; Brian Wilson, Indianapolis, Ind., the American Society of Civil Engineering Alumni Award for outstanding service to the civil engineering department and Charles Smith, Anderson, Ind., the Civil Engineering Faculty Award.

The Theodore P. Palmer Awards for outstanding freshman mathematics students will be presented to Erich Freidman, Indianapolis, Ind., and Dan Johnson, Merrillville, Ind.

Certificates of Merit in Mathematics are awarded to Mark Beitz, Highland, Ind.; Paul Barloon, Ft. Atkinson, Iowa; Gary Martin, Crawfordsville; Franz Lieder, Hot Springs, Ark.; Maximino Pabia, Singapore; Paul Schaub, Irving Tex., and Mike Bryan, Orland, Ind.

The Humanities and Social and Life Sciences Department presents awards to Richard Deitch, Indianapolis, Ind., The Wall Street Journal Award for outstanding achievement in economics courses; Michael Hatfield, Chesterfield, Mo., the John G. Biel Economics Award; and Robert Wilkins, Muncie, Ind., the Harry S. Truman Scholarship Nominee.

Other honors go to David Rich, the C. Leroy Mason Award to an outstanding sophomore physics student; and the Outstanding Chemistry Student Award to Daniel Crane, Burlington, N.J.

## NEWS BRIEFS

### Cooper receives ROTC award

Randall Cooper, son of Mr. and Mrs. Arthur M. Cooper, R.D. 1, Box 403, Port Allegany, Pa., has been selected as the recipient of the George C. Marshall Award presented annually to the outstanding senior ROTC cadet at Rose-Hulman.

As a result of his selection, Cooper, who is majoring in civil engineering, recently

attended a three-day national security conference sponsored by the George C. Marshall Research Foundation which provides the award.

In order to have been selected for the award, the cadet must have demonstrated leadership and academic excellence which symbolized the career of General Marshall.

### 'Damn Yankees' scores a hit

Students from Rose-Hulman, Indiana State and Saint Mary's will present the musical "Damn Yankees" on successive weekends at Rose beginning April 27.

Produced by the Rose Drama Club, the play will run April 27 at 8 p.m.; April 28 at 3 and 8:30 p.m.; and May 4 and 5 at 8 p.m. All five shows will be in the Moench Hall Auditorium.

All tickets for the play are \$2.50 and can be reserved by calling ext. 424 beginning April 19. Reserved tickets must be picked up 15 minutes prior to showtime at the Moench Auditorium Box Office or reservations will be cancelled. Remaining tickets will be sold at the door.

### Smith speaks in West Germany

Dr. C. O. Smith, professor of mechanical engineering at Rose-Hulman, was chosen to speak on the subject of engineering education at an international symposium April 16-19 in Cologne, West Germany.

Smith addressed participants from more than 20 countries on the subject "How Does One Teach Design: Lectures, Projects, Cases?" He will also team

with Professor Geza Kardos of Carleton University in Ottawa, Canada, on a presentation entitled "On Writing Engineering Cases."

The purpose of the World Conference on Education in Applied Engineering and Engineering Technology is to identify common problems in the field of engineering education and to discuss new proposals for alleviating those problems.

### Maintenance survey reveals dirt

by Bob Patti

Recently a short survey was given by the business office to members of the faculty and staff concerning the appearance and cleanliness of the main buildings and the surrounding grounds.

The results of the survey indicated that things were in good condition although there were some areas which could use improvement.

One of the problems noted was the large amount of dirt and rock on the roads on

campus. The removal of this in spring is a large task which requires many man-hours. Next year this task will be greatly simplified by the addition of a street sweeper.

Another problem was the upkeep of the grass and the bushes and shrubs which is lacking in some areas. A landscaping consultant is being sought to solve this, but a large share of the grass problem could be solved by students using the walkways when going to and from class.

### Rose students among the best

by Scott Haney

Rose students have a reputation for being among the country's best. Recent National Merit Scholarship Corporation figures show that not only is this true, but that Rose is heading toward the number one spot.

New figures from the National Merit Scholarship Corporation indicate that one out of every eight freshman Rose students is a National Merit Scholar, which is almost twice last year's one in fourteen. This places Rose ahead of M.I.T., Duke Univer-

sity, and Rensselaer. Rose holds the number one position for per capita index of National Merit Scholars for Indiana institutions, as well as having the most students (per capita) that graduated in the top fifth of their high school class.

The SAT median scores are also up from last year. The median math score stands now at 680 (it was 660 last year), and the verbal is now 560. This means that Rose is now number one in the state of Indiana.

### Faire opens at St. Mary's

by Susan Niezgodski

On Saturday, April 28, St. Mary-of-the-Woods College (SMWC) will hold their 5th Annual Renaissance Faire. The grounds will be open from 10:00 a.m. until early evening.

The Faire officially opens with the start of the one mile and 8K Renaissance Run which begins at 10:30 a.m.

Highlights of this eventful and fun-filled day include:

10:30 a.m. - one mile and 8K run  
12:00 p.m. - Royale Parade/Ceremony (coronation)

12:30 p.m. - Kite Flying Contest

2:00 p.m. - Royale Parade/Ceremony (marriage), Knights of the Silver Sword Demonstration

4:00 p.m. - Jousting Tournament

5:30 p.m. - Boar Roast - Tickets available during the day at Information Stations - official close of Faire

Admission to the Faire is \$3.00 for adults, under 14 free. Students and senior citizens \$2.00. Groups of 25 or more \$2.50 each with advance ticket sales. For information call 535-5295.

### Alumni tragedy

## Top scholar Maness dies

Roger Maness, a 1983 graduate of Rose-Hulman, Heminway Medal winner and a student of exceptional merit, was killed in an auto accident April 17.

Roger earned academic honors and graduated number one in the class of '83. He

received a degree in chemistry from Rose and was a graduate student in organic chemistry at Purdue.

Roger served in the Department of Chemistry in a variety of ways including grading homework and working

in the stockroom. He was an officer of the American Chemical Society affiliate chapter. In the opinion of Frank Guthrie, professor of chemistry, "Roger demonstrated responsibility, maturity and sound scientific judgment. He was highly regarded by faculty and fellow students."

The details of the accident are not clear, but according to Dr. Guthrie, the accident occurred as Roger was driving home at about 8:30 p.m. from Purdue. The car struck the abutment of a bridge on a sharp curve.

The Maness family has asked that anyone wishing to make a donation in Roger's memory should contact Purdue University where a memorial fund has been established.

The Rose Chemistry Department is presently considering a scholarship in Roger's name. Details will be announced in the near future.



Roger Maness received the gold Heminway Medal at graduation. Senior Vice President Dr. Herman A. Moench presented the award to Maness, the senior from the class of 1983 who had the highest grade-point average.

Hairstyles - \$11.00 elsewhere \$15.00  
Haircuts - \$4.00 to \$6.00 elsewhere \$7 and up  
Wash & Wear Perm - \$27.75 elsewhere \$35 and up

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South  
25th

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HAIRSTYLING WORLD  
Minutes from Campus

232-0631

### CANOE TRIP

SATURDAY

APRIL 28

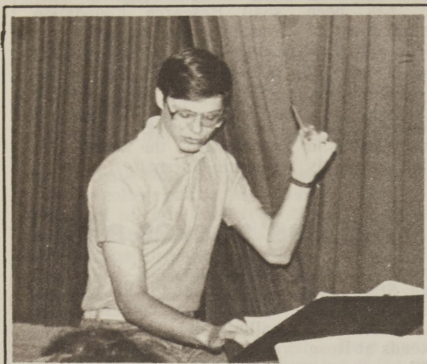
7:30 a.m.-6:00 p.m.

Spent a Spring Day on Sugar Creek  
COST: \$8.00  
REGISTRATION:  
United Ministries Center  
321 N. Seventh  
232-0181

REGISTRATION DEADLINE: APRIL 25



# Damn Yankees: words of wisdom from the people in and behind the scenes



Orchestra Director Brian Henry is shown here doing his thing, which isn't easy. Coordinating entrances and keeping people behind and in front of him together can be quite a challenge.



## Angela

Angela Timberman is playing the role of Lola in *Damn Yankees*. She is a sophomore speech and theater major at Indiana State University and hails from Brazil, Indiana.

**Q:** What can people expect when they walk in the auditorium Saturday?

**A:** A fun musical. It's an old musical everybody loves. So many people go to see some really contemporary, far-out, not-in-touch-with-your-everyday-people's musicals, and *Damn Yankees* is that kind of fairy-tale type of thing that they have seen in the past. And I think that people can sit there and be entertained and not have to be really psychological about the show.

**Q:** How does this contribute to your career in teaching speech and theatre?

**A:** It gives me more experience. If I am ever teaching a show I have an actor or actress who is really having trouble with a role, then I can say, "Why don't you try this technique," or "Why don't you try thinking this?" and it might help them.

**Q:** Have you had any particular problems with some aspect of performing in this show?

**A:** I have problems coming off as being sexy — I don't see myself that way in real life — only around certain guys, but very few. I feel very uncomfortable getting up on stage and striking that pose, but I think that's funny — that's fun. That's the way I have to look at this; I have to look at this from a comical view and that's what makes it funny — her seducing him and putting him in an uncomfortable position. But that's been the hardest part for me because I'm not sure of myself and I've been thinking too much of Angie instead of Lola.

**Q:** What kind of advice would you have for someone new to the stage but wants to try it?

**A:** They should just get on stage, have confidence in themselves, listen to themselves and find something good about themselves, they should take all of those good things and concentrate on them.



In this scene, Lola (Angela Timberman) tries to get her way with the Devil Mr. Applegate (John Rohlfing).

The musical *DAMN YANKEES*, produced by the Rose Drama Club, shows today at 3:00 and 8:00 p.m. in the Moench Hall Auditorium. All tickets are general admission and sell for \$2.50.

Students from Rose-Hulman, Indiana State, and St. Mary-of-the-Woods will present *DAMN YANKEES* over two consecutive weekends. After today, performances will also be on May 4 and May 5 at 8:00 p.m.

*DAMN YANKEES* has been a popular musical since its opening in 1956. The musical takes place in 1958 and is the story of Joe Boyd, a middle-aged man, who stays glued to his television set during baseball season. Boyd is a Washington Senators' fanatic. And while watching the Yankees beat his Senators again, he impulsively vows that he would sell his soul if he could stop the Yankees from winning. The Devil appears and transforms Boyd into Joe Hardy, the sensation of the Senators and the league.

With Joe Hardy, the Senators begin to climb in standings, but as a safety precaution, the Devil introduces Joe to Lola, one of his prized workers. During the last game of the World Series, when the Devil is ready to make Joe fulfill his end of the bargain, Joe outwits the devil and returns home as Joe Boyd.

Mrs. Sheila Kulp Wahamaki, director, expects a strong turnout from the Terre Haute and the Rose Community for all five shows because of the popularity of *DAMN YANKEES*.

The other coordinators are Owen Strawn (Assistant Director), Donna Hill (Music Director), Brian Henry (Orchestra Director), Tom Robertson (Production Manager), and Dr. Cary Laxer (faculty advisor to the Rose Drama Club).

The lead role (Joe Boyd) is played by Mark Gebert, a junior mathematics major. John Rohlfing, a junior chemical engineer, plays the Devil (Mr. Applegate). ISU's Angela Timberman plays Lola.

*DAMN YANKEES* is based on the novel "The Year the Yankees Lost the Pennant" by Douglass Wallop. Lyrics and music, including "Heart" and "Whatever Lola Wants" are by Richard Adler and Jerry Ross. The play won a Tony Award for best musical in 1956.

Tickets for the play may be reserved by calling extension 424. Reserved tickets must be picked up 15 minutes prior to showtime at the Moench Hall Auditorium Box Office or reservations will be cancelled. Remaining tickets will be sold at the door.



In "Shoeless Joe from Hannibal, MO" these actors give a fine performance. Bottom is Brad Rinehart, middle is Scott Tying, Penny Eberhard and Paul Barloon. In back is Matt Jermusyk and Stan DeHoff.



## Scott

Scott Tying is a senior chemical engineering major at Rose-Hulman and plays Henry in today's production of *Damn Yankees*.

**Q:** Why did you decide to do a show?

**Scott:** In my freshman year I tried out for the show and didn't make it ... here it is, I'm a senior, and I was talking to (a friend who encouraged me to try out) about an hour before tryouts, so I cruised on up there, tried out, and got a part.

**Q:** How do you add to the show?

**Scott:** Henry is one of ballplayers, a supporting character, who supports Rocky and Smoky by being a go-for and reacting to funny lines. I also have a separate part as a postmaster in the courtroom scene where I am an older and more distinguished man. I play that up a lot. Everybody keeps saying I sound like Dr. Peter Parshall.

Plus I try to keep the energy up on stage during the dance numbers, and I enjoy singing.

**Q:** As an engineer, how does this add to your preparation for work?

**Scott:** The only thing I would say is that it is helping me prepare for an engineering career in that I have been able to pull off fairly good grades this quarter and still be doing this every night. That's what I was always paranoid about. Now I know that when I get out, I will be able to do things like theater or whatever else and still do my job properly.

It's just like sports — we come out here and we get all fired up and relieve tension and it makes us feel good. We've got a goal we're shooting for at the same time. You just buzz right through your homework and you get to meet people.



Orchestra members Dennis Worthington (front) and Brian Mast, Richard Root and Mike Malast (left to right) try to create beautiful music to help set the scene.



## Sheila

Sheila Kulp Wahamaki is now earning her MA in theater at Indiana State University. She earned her BA from Virginia University in directing, acting and singing.

Sheila has directed *STALAG 17*, *ROAR OF THE GREASEPAINT*, and *TAMING OF THE SHREW* at Rose-Hulman. She recently co-directed ISU's spectacular presentation of *WORKING*.

Sheila has also acted, choreographed and directed at community theaters, St. Mary-of-the-Woods, dinner theaters and she is always full of energy.

**Q:** Why directing at Rose-Hulman?

**A:** It's very simple — engineers are very creative. I give them theatre games to play and they do wonderfully.

**Q:** What's a theatre game?

**A:** One example would be what's called the human machine where one person stands in the middle of a circle and starts doing one particular movement and a noise to go with that. Then another person comes up and somehow attaches himself to that person again making a movement and a noise. After everyone has joined in, you've created some kind of machine that makes all kinds of noises and movements. What's fun doing it out here is that the guys actually know what kind of machine they have made and what that machine is supposed to be doing.

**Q:** What is the purpose of this kind of exercise?

**A:** Any kind of exercise that allows you to extend your creativity which that does and to explore and interact helps. I think the hardest thing out here is interaction for them. I don't think that they get enough of creative interaction — that kind of crazy, emotional interaction.

**Q:** So it is important for actors to have that?

**A:** It is important for an engineer to have it. I admire Sam Hulbert because I think that this is exactly what he is trying to create — a well-rounded engineer.

I think the theater is a great asset in developing that because the students get to explore so much of their emotions that they normally don't get too. At least I'm under the impression that these students perhaps don't get as great an opportunity as most students to explore their emotional capabilities and I feel that theater can be a good asset to students out here.

It is difficult because we have been doing such large-cast shows since I've been here and the amount of work that has to go into them is immense. This is by far the hardest show because it has 11 scenes in the first act and 11 in the second.

And facility-wise, we have nothing. We really have nothing. We have to do with the best that we have which is kind of sad because some of the guys really desire a wonderful show and I think they give a wonderful show. Their energy is wonderful.

(Interview cont. on Pg. 5)



Drama Club sponsor Cary Laxer, actor Kenny Jones, Assistant Director Owen Strawn and Director Sheila Wahamaki stare, glare and prepare at a rehearsal last week.



Sheila

Continued from Pg. 4

Q: What's it like to be a director? What kind of problems have you had?

A: The set and the facility are the only real hamperings. As far as the talent and the ability of the guys and the input that they have, it's wonderful. I think that we work on a pretty flexible relationship, at least I feel that I do with the actors. I try to encourage them to give input to the show and to try to make the characters as much their own as possible. I think by saying, "Hey, how does this scene feel to you," and "Do you have any suggestions for improving it — what would feel better to you," instead of dictating to them is a much better way. I think we've seen the result of that in the past two years.

Q: I noticed that in TAMING OF THE SHREW you used very little scenery with a very successful show. How did you do that?

A: The show is the actors. It's the performers — it always has been and that's why we can do anything out here really — you guys can.

Q: What should an audience member expect when he walks into the auditorium Saturday?

A: He should expect a fun-filled night with some really nice music and some pretty songs and baseball. We're trying to create, as best as we can, an atmosphere in the auditorium itself of penants, vendors selling popcorn and coke, and ushers dressed as umpires. We want the night to be fun and that's it — fun is the idea. Fun and baseball. It's not a heavy dramatic show or anything. It's just a fun evening of music.

The one thing I've found is that you have to quit analyzing and just start feeling. Too often, we all try to analyze to much. I hope when the audience comes in, they'll just allow themselves to have fun.

The guys have put in so much work I really can say "Come and see our show" because I am proud of it.

# Putting music where it counts

Where Music Has Dimension

## WMHD

Rose-Hulman 90.5 FM

by Chuck Cooley

To many Rose students, the only thing more necessary for studying than the trusty calculator is good music. Never at a loss, Rose-Hulman meets this need through WMHD, the campus radio station.

Located in the basement of Baur-Sames-Bogart (BSB) residence hall on campus, and at 90.5 MHz on the FM band, WMHD is easily accessible to everyone. No matter their preference in music, most everyone can hear what they want sometime during the week. The fifty-plus assorted DJ's play anything and everything, ranging from the newest in New Wave on Monday morning to the heaviest Heavy Metal in town on Friday night.

Other musical tastes are not excluded; most of Sunday is dedicated to Christian-oriented programs and music, and Sunday night procrastinators can finish their cramming to four hours of soothing Jazz and "meditative music."

WMHD's listenership is as unlimited as its programming. DJ and personnel director Rob Werner claims, "On a good day we can just reach most of Brazil (Indiana), but because of the way the directional antenna is set up, we only cover half of Terre Haute. Just this afternoon, we received a request from Clinton, Indiana so we seem to have an effective range of about fifteen miles."

WMHD (affectionately known as MuHD) is not music all the time. Since it is classed by the FCC as an educational station, it is required to broadcast twenty-five percent "non-light entertainment programming" every week. Much of this consists of

hourly news, weather, and public service announcements, but two hours per day, 11 to 12 a.m. and four to five p.m. consist of weekly informative features.

Most of these are subscription services, which along with advertising, draw most of WMHD's sizable budget. Programs have included the Israeli News Service, The Arab World News, (not run back to back), UN Viewpoint, and the Latin American Review. The University of Texas, Austin's Communications School produces several programs Rose subscribes to as well; Stardate and the Science Fiction Radio Show for example.

The afternoon hour is a little closer to home. Every Monday afternoon, WMHD revives an old serial-style radio drama, for "The Mind's Eye." We've heard from Amos and Andy, Fibber McGee, and Dimension X this year.

Tuesday and Friday bring us an hour on the history of Rock music, both programs produced on campus by Dr. Vuchinic, the Radio Club faculty sponsor. The WMHD news department, directed ably this year by freshman Jack Gulick, puts out two weekly "magazines": Rose Roundtable, wherein the WMHD executive staff interview local personalities, and WMHD magazine.

The Rose Radio Club, operators and staff of WMHD, all of them students at Rose, put together an outstanding exclusive special this year. A Rose student obtained a backstage pass to the Streets/Loverboy concert at the Hulman Center February 5th. While Loverboy was onstage, he took the opportunity to talk



DJ Mike Tindall got caught spinning some disks in the WMHD control room. The station can be toured today and is located in the basement of BSB.

with Steve Walsh, organizer of Streets, and former vocalist with Kansas. The recorded interview made for two of the most fascinating hours in WMHD's year and a half long history.

The station likes to brag that it operates on a rated power of a hundred and fifty million microwatts, but an application is in to the FCC to have that ceiling raised to a billion microwatts, or a thousand watts.

WMHD may not be the most powerful voice in the Wabash valley, yet, but its originality and unique Rose character are refreshing. Best of all, there are never any commercials.

**APARTMENTS FOR RENT** — Two, one bedroom apartments located just east of Seelyville. Total electric. Appliances furnished. One year lease at \$150 per month. A \$145 deposit is required. For further information contact Peggy at Newlin-Johnson Realtors, 234-3746.



## Gran-Ma Joy's

3631 Wabash Ave.  
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## Terre Haute's Finest in Home Cooking ...

Come and sample our special home-cooked foods, pies and yeast rolls.

- Daily lunch specials and full service menu.

Steaks  
Pork Chops

Spaghetti  
Shrimp

Prime Rib  
Catfish

- Soup, salad and sandwich bar weekdays.
- Giant smorgasbord and salad bar Friday, Saturday and Sunday
- Banquet and private dining facilities (bar service available).

Hours:

Tuesday thru Saturday - 6:00 a.m.-9:00 p.m.

Sunday - 7:00 a.m.-3:00 p.m.

Closed Mondays

Visa and Mastercard accepted.





Several Civil Engineer Students including Dennis Burke, Kevin Forbes, and William Pine examine the new bridge in progress last Tuesday. The bridge spans from the upperclass residence hall parking lot to the fieldhouse parking lot.

## Variety of exhibits set for show

## OLIN HALL

**AIChE** **Ch.E. Labs**  
The American Institute of Chemical Engineers will give tours of its new classroom and laboratory complex. Some of the displays include a cooling tower, an extruder, AIM 65 and IBM PC applications, digital and analog process control, refrigeration, a digital scale, and a water purifier for making coffee from sewage water.

**ASCE C.E. Labs, Speed Lake, Lost Creek**

Come see Civil Engineers in action — the builders of yesterday, today, and tomorrow. Walk across the student-built pedestrian bridge over Lost Creek. Ride the concrete canoe, but don't step into the quicksand or you will miss out on explosive failures of bridges and concrete columns, and other earthshaking

displays.

**APO** Olin Lobby  
APO will be hosting the Ugly Man on Campus (UMOC) contest. UMOC is a contest to promote a charity drive by voting for the UMOC of your choice with pennies or other currency. Proceeds will be donated to the Life Line Charity.

**RCF** Olin Lobby  
Rose Christian Fellowship  
members will be on hand to discuss their function to the Rose-Hulman community. There will also be a book table. At 4:00 p.m. there will be a brief presentation in the basement of the library. Don't forget the father/son free throw contest Saturday afternoon.

## HULMAN UNION

**SAB** **Lobby**  
**11:30-3:30**  
 The Student Activities Board invites you and your family to have an old-time picture taken at the River City Traveling Photographic Emporium. For only \$2 your family, friends, and guests can dress up as dancehall girls, outlaws, Victorian gents and ladies, southern belles, or gallant civil war officers. Your portrait will be ready in minutes, complete with an antique matte.

**Lunch-Glee Club**  
Main dining room  
11:00-12:30

ARA will provide a light brunch for \$3.25 per person. The menu will be the same as that normally scheduled for Saturday in order to give you an opportunity to see what Rose students eat.

During brunch, the Rose Glee Club will perform from 11:30-11:45 and again at 12:30-12:45.

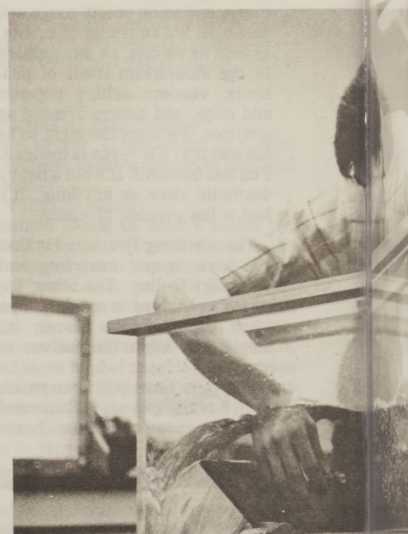
## MOENCH HALL

**ROTC C-section hallway**  
The Military Science Department will have a slide show and pictorial event display board

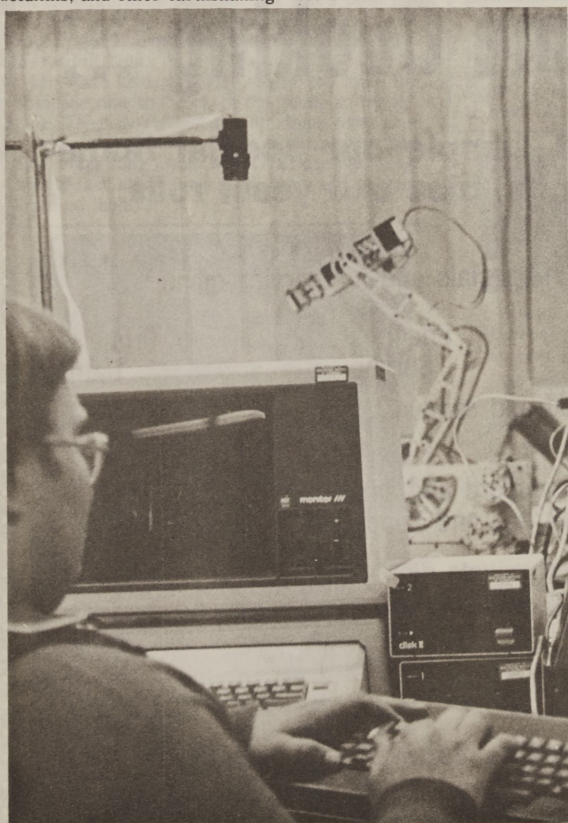
**Physics Club and Dept.**

Students and faculty will be on hand for demonstrations, exhibits, and projects in optics, vibrations and waves, electricity and magnetism, low temperature physics, and computer simulation of physical effects.

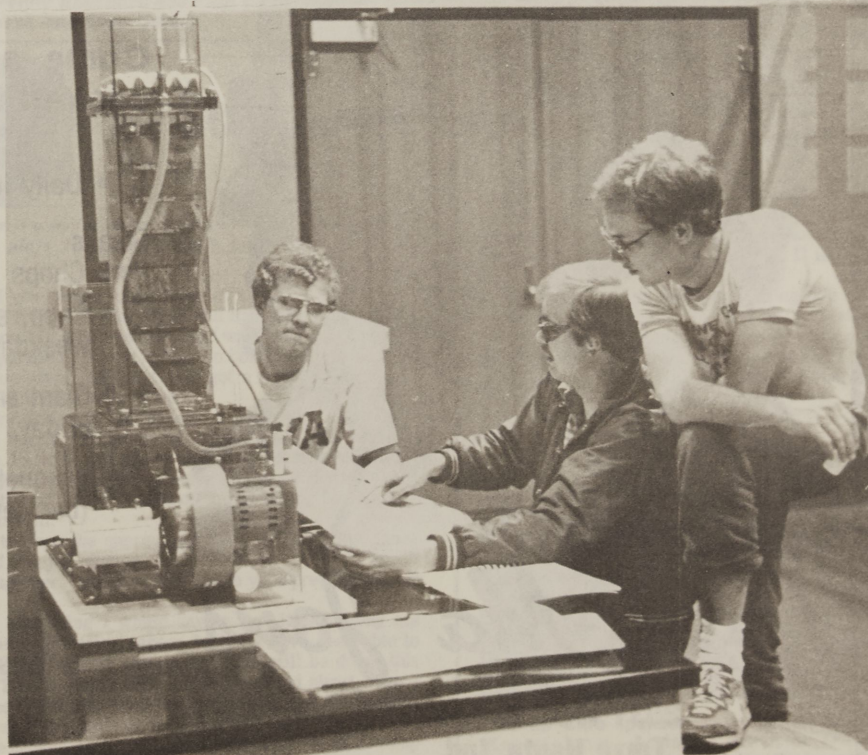
The student chapter of the Institute of Electrical and Electronics Engineers, in conjunction with the Electrical Engineering Department, will be having many displays including some senior projects designed and constructed during winter quarter. There are several displays on how electronics have been applied to practical everyday devices. There will be an electrical show at 1:30 in C-126.



**EXPERIMENTING — Junior CE** which will be used during Parents' Day in Olin Hall. Saturday will be the academic facility.



**COMPUTER-ASSISTED** — Mechanical engineering graduate student Ernest Grube works on a program for the operation of one of the robots which will be demonstrated during Parents' Day.



Senior Chemical engineering students Ed Oblon, Brad Elliott and Scott Fennell work diligently to take data from this cooling tower model. The model is on display today in Chemical Engineering on first floor of Olin Hall.

ELECTRONIC  
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## Photo show

An exhibit of approximately 50 photos taken by students and faculty and staff members of Rose-Hulman will be on display from April 23 through 30 in the lobby of the Hulman Union.

The exhibit is part of the annual Rose-Hulman Photo Show, which is being held in conjunction with Parents' Day. Students with photos in the show compete for a total of \$400 in cash prizes. Awards will go to first, second and third place winners in five different categories, and an overall best and show prize also will be awarded.

The five categories include photo essay, engineering as art, the human condition, open color competition and open black and white composition. All photos are either 5 x 7 or 8 x 10 mounted prints.

This is the fourth year of the Rose-Hulman Photo Show, which is sponsored by the Division of Humanities, Social and Life Sciences and the Elsie Pawley Fund.



PR Photo

**BUT WILL IT FLOAT?** — That is the question that civil engineering majors Steve Pettit and Mark Federle may have been asking as they put the final touches to the 1984 version of Rose's concrete canoe. When complete, the canoe will weigh about 170 pounds. If all goes well, guests attending Parents' Day should have an opportunity for a free ride in the unique canoe.

### Rose-Tech Radio Club

The Rose Tech Radio Club will be demonstrating their amateur radio station and various operating equipment. The station includes a 2000 watt shortwave transmitter capable of reaching the entire world.

### Racing Assoc. and SAE

Two mini-baja cars will be displayed near the ME dept. An amphibious car will be demonstrated in Speed Lake at 4:00. A hovercraft and the Buick Regal drag race car will be displayed in the Rotz laboratory.

### ASME and Pi Tau Sigma

The displays presented by the Mechanical Engineering Dept. illustrate the wide spectrum involved in mechanical engineering. The displays represent invaluable hands-on experience necessary to complement theory presented in the classroom. The following are a sample of the displays: applications of microprocessors, robotics, vibrations, and aerodynamic testing in the wind tunnel.

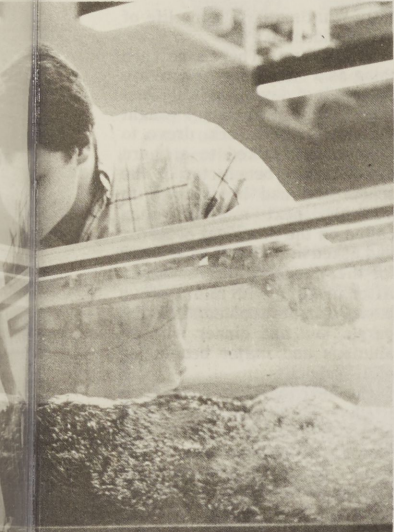
### CIVIL ENGINEERING

The Civil Engineering Department has been working since long before spring break to prepare a show that not only will fare well in the competition but be interesting and representative of Civil Engineering. Along with numerous displays of testing and measuring equipment, we have assembled several student projects that parents and friends of students will find interesting and exciting. Free rides in an operational concrete canoe will be given throughout the day on Speed Lake. A bridge busting contest will be held from 11:00 a.m. until 12:30 p.m. in room 0-203 and student designed concrete mixes will be tested for maximum compressive strength in the soils, asphalt and concrete lab (room 0-111). Other displays you won't want to miss include a flight simulation program on new computer equipment, an underground house design, a quicksand demonstration, and a project showing the effects of earthquakes on buildings. Another starring attraction that we are very proud of is the student planned, designed, and constructed pedestrian bridge spanning Lost Creek. So come on by the Civil Engineering Department, we've tried to provide something of interest for everyone.

### Motors lab

### E-section, Rotz lab

### E-section, Rotz lab



PR Photo

oughn works with a hydraulics test rig. The experiment will be housed in the new building for many parents to see the new

### ME ENGINEERING

winners of the Rose Show award, the EE's are showing dazzling and more class-oriented displays.

About ten senior projects and exhibits from mechanical energy conversion, antennas, microprocessors, and microprocessor classes," Dr. Hoover said. "This year, class projects are being shown more of what is really going on in the lab."

"At all the seniors doing projects," Hoover said, "25 percent of them are doing something new."

### EE ENGINEERING

"We're new location. That's basically what the EE's are doing. We'll make colorful koolaid out of water," senior Jim Huller said. "We'll also be showing some extrusions — like golf tees, and Rose emblems. There will be computer programs to play on the IBM PC's upstairs," he said.

"We'll provide tours of their new Olin Hall labs. We can't use the old distillation columns anymore," Huller said. "That's usually the most boring. Without them, we can't make stuff as good as the EE's."

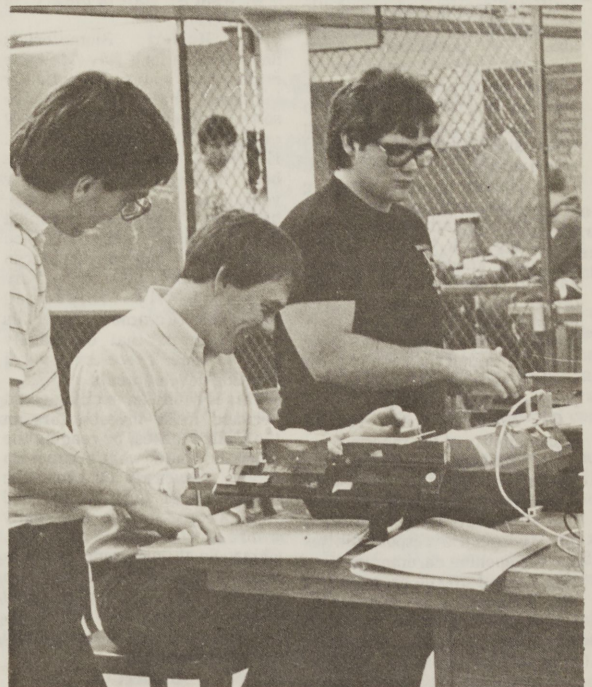
### EE ENGINEERING

"We're going to win?"

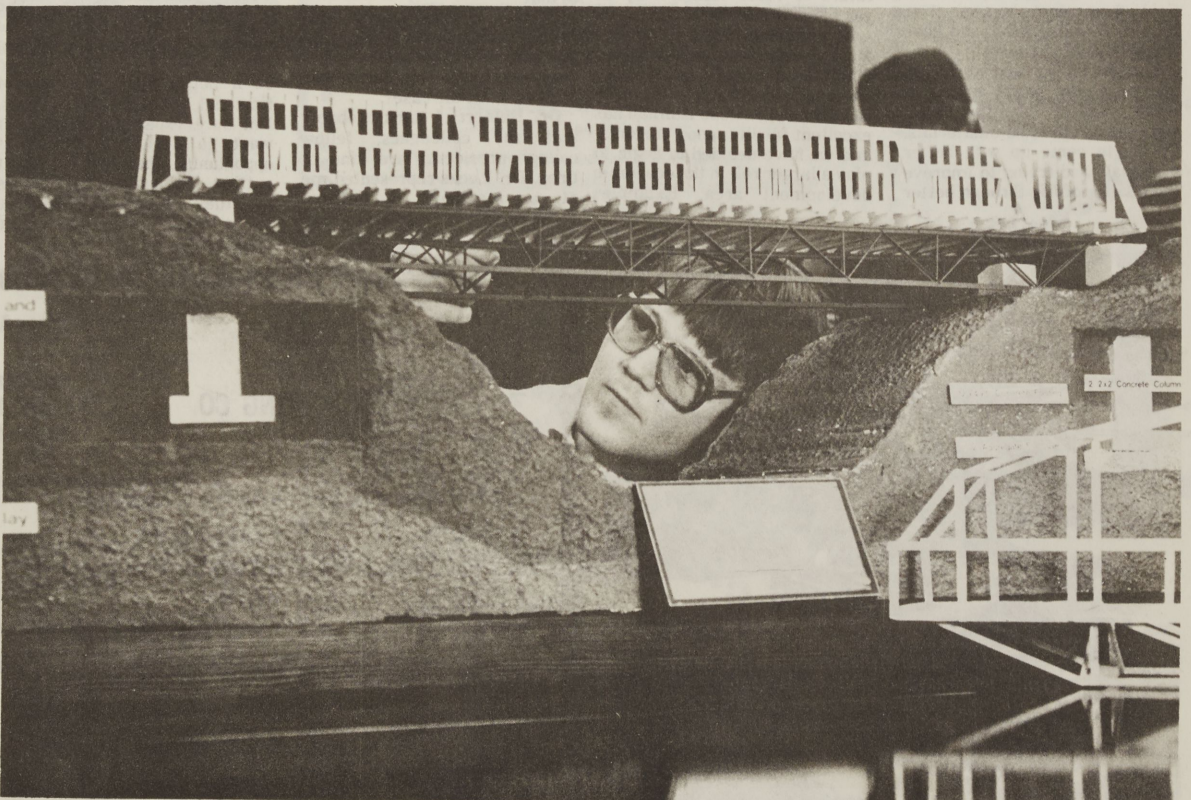
ASME officers said.

"There will be quite a few different things, including wind construction," senior David Patterson said. "A crowd-pleaser is always the wind tunnel. We have stock car models in there and throw in some flow patterns and maybe a few more. We also have experiments for rotating unbalance measuring the resonant frequency of a turbine."

"We will include the hovercraft and mini baja cars. We'll have several vibrations experiments, robotics and microprocessors. There are so many applications of mechanical engineering that bleed over into other fields," Patterson said. "We don't have the glamour the EE's have, but we have more general applications."



Freshman physics students are shown here playing seriously with some of the physics lab equipment on display today in the basement of Moench Hall (C-01 and C-02). Left to right are Matt deHeus, Steve Battocchio and Ron Grammas.



PR Photo

**BUILDING THE REAL THING** — Senior Brian Wilson makes final adjustments to a model of a pedestrian bridge identical to the real one he and other civil engineering students designed and built. The new campus bridge will be opened Saturday as part of the Parents' Day activities.



## An interview with Rose-Hulman's President

# President, Teacher, Problem-Solver: It's all in a days work for Dr. Hulbert

President Sam Hulbert was interviewed Tuesday, April 24, by Alan Hippelheuser, Editor of the THORN.

The interview covered three basic areas: the international biomaterials conference of which Dr. Hulbert is the chairman, Dr. Hulbert's recent comments to the members of the Chamber of Commerce concerning the future development of Terre Haute, and a recent national poll concerning the happiness of college presidents.

Dr. Hulbert is away today chairing an international congress on biomaterials that was scheduled 4 years ago. It is the THORN's hope that the following interview will give parents and visitors some insight into the life of one of Rose's most influential personalities.

Dr. Samuel Hulbert is 46 and has been President of Rose-Hulman since September, 1976. He earned his BS, his MS and his PhD from Alfred University in Alfred, New York. His BS was in ceramic engineering and his PhD was concentrated in ceramics and carbons used in construction of special organs and prosthetic devices.

**Q:** This weekend you are attending an international convention on biomaterials. Why don't you tell us about that?

**Dr. Hulbert:** I'm leaving Thursday to attend the Second World Congress on Biomaterials. Biomaterials are what you build artificial organs and prosthetic devices out of. We anticipate about 700 participants from about 30 different countries. It will be the largest meeting ever held on biomaterials, and I'm sure that the exchange between scientists from around the world will help improve development. The United States' leading authorities will present their work on compatibilities of new materials with blood, kidneys, hips and knees — the whole gamut. There will be lots of people from Japan and Western Europe. Also, for the first time there will be a number of people from communist block and third world countries. It ought to be a really exciting meeting.

**Q:** What is your area of responsibility at the meeting?

**Dr. Hulbert:** Well I'm the chairman. My specific responsibility is to make sure that all the details are taken care of. My specific responsibilities are the opening ceremonies — to take care of all the protocol and the banquet. It's interesting: America is really not too much on protocol. We're basically quite informal as a nation and we just do things, organize them, and get them done. You have to be very sensitive; many of our colleagues around the world are sensitive as to where they sit at the head table, who speaks first and I know more people in the field than most because I've been in it a long time, and have traveled extensively.

You can understand why there are so many world problems when you're dealing with something like biomaterials. Trying to come up with better materials and trying to improve the quality of life through better

health care is very altruistic. But even in the international meetings there is so much jealousy or picking at one another. Since I know a large number of investigators around the world I was asked to be a referee.

**Q:** What is "state of the art" in biomaterials?

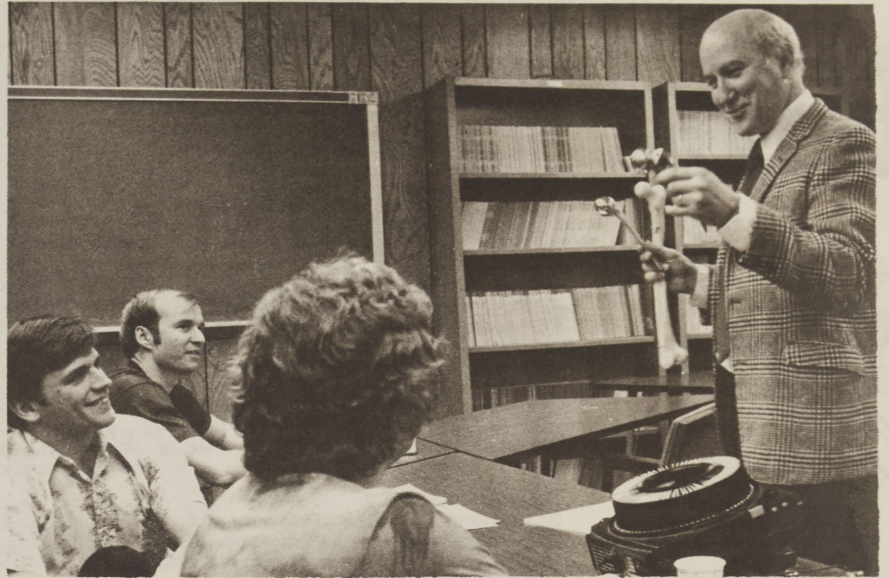
**Dr. Hulbert:** Biomaterials have come a long way. We have really had some dramatically improved materials. We have some materials that are very compatible with blood. Enormous breakthroughs have been made in the last twenty years. Up to 20 years ago, basically — you used the most inert stainless steel, and you used dacron and maybe silicon rubber but now there are dramatically improved materials. Common materials are materials that chemically bond to bone. There are a lot of exciting developments.

This is really an exciting event because most investigators in the United States, by reading the journals, know what's going on at the University of Utah, the University of Washington, and Heidelberg, but are not really aware of what's going on in, say, China. So this is going to be an exciting place to see people from places like Budapest and Czechoslovakia. This will really be the most international meeting ever held.

### Hulbert on Terre Haute

**Q:** In the speech you delivered to the Terre Haute Chamber of Commerce last Thursday, you were very optimistic about the future of Terre Haute. Why do you have this outlook?

**Dr. Hulbert:** Terre Haute has a good mix. The reason I am primarily optimistic about Terre Haute is Rose-Hulman Institute of Technology. Rose-Hulman has excellent faculty, good students, and we have decided to begin to play a larger role in the economic development area. Examples



Here Hulbert lectures about prosthetic devices to students who are obviously enjoying the class.

include the entrepreneur-in-residence program and the establishment of a for-profit organization, ICTT. ICTT already has three full-time employees, and is going to hire four Rose graduates. I see (these entities) growing dramatically and developing a number of products that could potentially spin off to form companies in the area.

### Hulbert on College Presidents

**Q:** According to a national poll, over 75% of college presidents feel separated from the faculty and the administration; they do not feel a part of the rest of the staff. How do you feel at Rose?

**Dr. Hulbert:** I wouldn't be in that 75%. I am a faculty member and I teach and think like a faculty member.

I feel that Rose-Hulman is a pretty close-knit place. I feel that there is more of an inner-woven fabric between the administrators, staff and the classroom/laboratory faculty than probably any other place I know, so I would be an exception to that.

**Q:** In that same poll, 25% of college presidents stated that they would resign at the first opportunity. Do you know why that would be the case?

**Dr. Hulbert:** I think probably that my colleagues, fellow college presidents are kind of tired. Dr. Lucas represented me at a meeting of college presidents — I had another commitment — and when he

came back he said, "Your colleagues are very, very tired physically and mentally." There are tough times — demographics, a lot of places have enrollment problems, most places have financial problems, a lot of people problems; we live in a society that sues each other a lot. And education is no longer the darling of the general public; it is particularly no longer the favorite of the state legislators. For a time the public felt that education was one of the keys to solving all our problems. I still believe that. But the general public puts it into perspective and says, "Yes, it's good, but it has many problems." All at once, education is beginning to take a back seat to economic development and social programs and highways and everything. That's very demanding.

Rose-Hulman has lots of challenges, but we have so few real people problems, our time is not eaten up because of real divisiveness between faculty and staff. I have the time to address the really significant problems of finding the resources to accomplish the visions of the faculty and helping find the resources so that we can do a better and better job of financial aid. Other presidents, I'm sure especially those that want to resign at the first opportunity, their time is spent putting out so many brush fires that they really don't have time to address the long-range problems.

**Q:** What's a day in the life of the president like?

**Dr. Hulbert:** There's no such thing as a typical day. There are two kinds of days. One is like last week: lots of traveling. I caught a plane to New York, drove to Connecticut, talked to a board member and benefactor of the school and had breakfast with him the next morning, then called on the president of Xerox and asked him to give us \$400,000 for the Moench Hall renovation. After meeting with him, I drove back, caught a plane to Pittsburgh, and had dinner with an alumnus and major benefactor of the school.

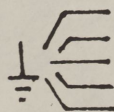
The next morning, I called on Rockwell International and asked them for \$100,000 for the Moench Hall renovation. I then went to Westinghouse and thanked them for the money that they had already given us and reported on what we were doing with it and sewed the seed for asking them for more money. I then had dinner with 25 to 30 alumni that night in Pittsburgh. The next day I came home.

Those are the kind of things that you do — calling on lots of companies, meeting with alumni — that's about one-third of the time.

When I'm on campus I basically keep a calendar from 7:00 in the morning until 7:30 at night. Usually I'm up doing some paperwork or reading early in the morning. Sometimes in the morning I schedule breakfast meetings that will run from 7:30 to 8:30.



Dr. Hulbert pauses a moment in the midst of a busy daily routine.



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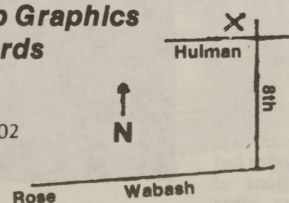
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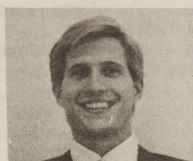
# → SGA/THORN honor Students of the Month ←

SGA and the THORN have decided that it is long past time that a Rose organization recognize students in a public forum for their contributions to Rose student life and to the world around them.

The means we have chosen for this recognition is the Student of the Month Award. Students may be nominated by any faculty member, student, or staff person of Rose-Hulman. Then a committee of three THORN members and two SGA members will choose one student each month to receive a certificate honoring the accomplishments of the chosen individual and that individual's picture and biographical sketch will appear in the THORN.

The SGA/THORN committee will select students of the month based on a student's leadership ability, attitude, goals and accomplishments, and the opinion of faculty and peers. A different student from each area will be honored each month.

Because this is the first time this award has been given, we have received a number of nominations and have elected to honor five students from different departments. Congratulations to those honored. Nominations for other students should be sent to the THORN, box 130.



Senior Civil Engineering student Darin Emberton.



## Civil Engineering

Darin Emberton, a senior civil engineering major from Greenwood, Ind., says that he has always had a "building fascination." His love of architecture and construction is his primary reason for studying civil engineering.

Darin is past president and secretary of ASCE, and also edited the Rose Student Branches Newsletter, an ASCE publication. Darin is a member of the economics club.

Darin's honor include Tau Beta Pi, the national engineering honorary, Pi Mu Epsilon, a mathematics honorary, and Blue Key, a leadership honorary.

## Mechanical Engineering



Senior Mechanical Engineering student David Patterson.

Senior David Patterson says he has studied mechanical engineering because he has always had an interest in things mechanical. "I used to take things apart when I was small. It took me until I was about 12 to get them back together, though," he said.

David's honors include the Heminway Medal, awarded to the senior with the highest grade-point average. David was voted the Outstanding Sophomore Mathematics student, and has been accepted in Pi Mu Epsilon, a mathematics honorary, Pi Tau Sigma, the mathematics engineering honorary, and Tau Beta Pi, a national engineering honorary.

David is president of the American Society of Mechanical Engineers (ASME) student chapter and belongs to the Society of Automotive Engineers (SAE) and the Rose-Hulman Racing Association.



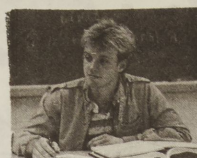
Senior Physics student Chris Anderson.

## Physics

Chris Anderson, a Physics major from Belvidere, Ill., says that he has always been "scientifically minded and enjoys pure science," as well as having a profound interest in astronomy. Chris plans to attend graduate school at Iowa State next year and his goals include getting a PhD and teaching.

Chris has served as president of the Astronomy Club the past three years. According to Brij Khorana, professor of physics, Chris has done much to "rejuvenate the club." Chris is also a member of the Physics Club and is active in WMHD.

Chris recently won the Sigma Xi certificate paper competition with a study of behaviour of objects at high speed. He says he enjoys independent projects like this, and that much of his lab credit has been earned this way.



Study, study, study: It takes a lot of time and hard work to earn excellent grades and Junior chemistry major Rob Jacoby is shown here doing just that.

## Chemistry

Rob Jacoby, a chemistry major from Falls Church, Virginia, says he attended Rose-Hulman because "I was tired of the east coast and wanted to experience the midwest." Rob plans to attend medical school and is interested in research.

"I was first a Chem E., but I decided the plugging and chugging, charts and tables weren't for me. I like medicine and research and hope to combine the two."

Rob chose chemistry because he believes it is fundamental to understanding treatment of disease. "Only by understanding the chemistry of nucleotides can you hope to make a chemical specific for a given virus."

Rob is Vice President of the ACS, a member of the Photo Club and International Affairs Association (IAA) and sits on the Junior Studies Abroad Commission.

Rob is currently doing research with Dr. Bruce Allison, professor of chemistry. Rob is attempting to make an electrically conducting polymer. Applications could include lightweight plastic wire and hardware devices.

This past summer Rob did chemical research at Bowling Green, where he studied compounds prepared via the Diels-Alder synthesis using the tropylium ion. He also studied the resulting stereochemistry.

Rob's hobbies include photography, racquetball, wind surfing and running.

## Chemical Engineering

by Dennis Kaminski

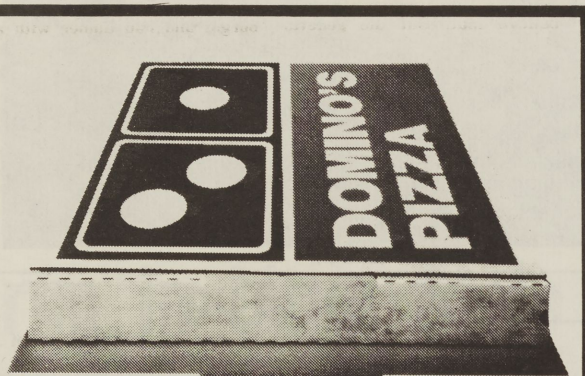
Dennis Kaminski, a senior chemical engineering major from Owensboro, KY, says that he feels "grades are really important, but that a good, solid extra-curricular involvement is worth about 0.5 on a grade-point average."

Dennis has probably earned that extra 0.5 in the past few years. Two years ago, he was full-time editor of the Modulus, Rose's yearbook. And he just recently left the office of president of Circle K, a Kiwanis service/social organization. Circle K members presently plan to put a fountain in the duck pond and are washing parents' car windows today.

Dennis is involved with the student chapter of the American Institute for Chemical Engineers (AIChE) and is also a member of Omega Chi Epsilon, the chemical engineering honorary.

"Automated tensile-testing of polymers" is presently a research interest of Dennis'. This area deals with eliciting strength and pliability information from plastics.

Another area Dennis is researching is in technical communication and concerns the ultraviolet light stabilization of ABS (acrylonitrile-butadiene-styrene). ABS is a plastic used in auto interiors and home appliances. Dennis is interested in the ways that UV light (sunlight) degrade these household plastics. Dennis will work in this area at Borg-Warner.



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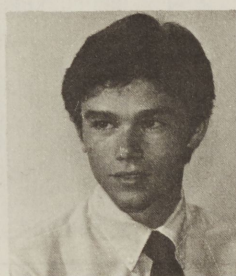
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Senior Chemical Engineering student Dennis Kaminski

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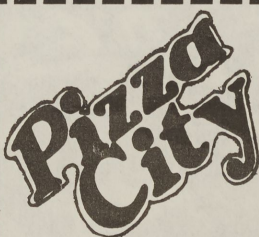
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# Greek Games

*"You'll have as much fun watching as they will competing!"*

## Planning

The Greek Games are sponsored annually by the Inter-Fraternity Council during Parents' Weekend. The Games are designed as a means of displaying the athletic talents of each fraternity and the pride we have in the fraternity system, but especially promoting friendly inter-fraternity competition. It's fun! The Greek Games comprise the single most significant IFC sponsored event of the year.

Planning for the Games began in the Inter-Fraternity Council, where a committee was organized to coordinate the games. The committee consists of Greek Weekend Chairman, Chuck Moss, and a representative from each fraternity.



Cart Race (above)

## Events

- 11:00 a.m. — Cart Race (Starts at Union, ends near the watertower)
- 12:00 p.m. — Canoe Race (Lake near Speed Hall)
- 1:30 p.m. — Obstacle Course (Front Lawn)
- 2:30 p.m. — "Just-for-fun" Event (Football Field)
- 3:00 p.m. — 15-man Pyramid (Football Field)
- 3:45 p.m. — Tug-of-war (Football Field)
- 7:00 p.m. — Songfest (Hulman Union, Dining Room)



Obstacle Course (above)



Canoe Race (above)

## Cart Race

The competition starts at 11:00 a.m. when, at the crack of the Greek Weekend Chairman's pistol, the first heat of the cart relay begins. Each team has five two-man pairs to push a cart (and its driver, of course) around a course which covers a great deal of the campus. If you want to see this contest, plan on arriving early — the main gates close at 11:30 a.m. and do not open until the end of the event!

## Canoe Race

Our next contest takes us to the water for another relay, this time, in canoes. Each three-man team, two rowers and a rider, must paddle the canoe around the large pond on campus. As if that isn't exhausting enough, the canoe must be carried to the top of a hill before the next leg of the team may begin.

## Obstacle Course

An obstacle course race follows. Here, five two-man relay legs experience such obstacles as a rope climb, belly crawl, wheelbarrow push, and others. Both speed and teamwork are needed to be competitive in this event.

## Surprise

In order to add a bit of levity to the day, a surprise event occurs next, which doesn't count towards the Greek Weekend trophy points, but is a great deal of fun.

## Pyramid

Next, we go to the grandstand of the football/track field for a rather unusual event, the round-robin 15-man pyramid building contest. When the whistle blows, all 15 participants must run a 20-yard dash to the bell line. Upon reaching the line, the team begins to build a human pyramid. If you think that sounds difficult, listen to this — winning teams have built their pyramids in less than six seconds!



Pyramid

## Tug

The final athletic contest is a traditional one of brute strength — the tug-of-war, also held on the track. Each fraternity team weighs in early Sunday morning — they mustn't exceed the 2,000-pound limit.

## Songfest

Following the tug-of-war, each fraternity goes home and prepares for the final event of the evening. This event is not an athletic competition, but rather, a display of a different type of talent. This is songfest, a contest among choirs formed by each fraternity. Over half of each fraternity must participate in this event. Songfest is not included in the overall points, but a separate trophy is awarded for this event.

## Trophies

Immediately following songfest, trophies are presented to the winning team in each event, and the overall winner is presented with the grand trophy.

## We'll see You there

The fraternity system here at Rose is stronger than ever, with over 40% of the student body belonging to one of the seven social fraternities. The Greek Games will be celebrating its 20th anniversary this year. Over the years, it has proven to be an excellent way to cap off the Parents' Day festivities.

By the way, a concession stand will be open all day long near the football field, where between-the-event-snacks may be purchased. Also provided will be a pamphlet containing more details about each event and a scorecard so that you can keep track of how your favorite fraternity is doing in the games.

The Inter-Fraternity Council extends an enthusiastic welcome to everyone to come and watch the Games on Sunday. We're sure that you will enjoy yourselves.



# Rose golf team finishes fourth and fifth in play

by Jim Grimshaw

The fourth annual Rose-Hulman Golf Invitational was held April 13 and 14 at Hulman Links. Millikin University, the defending champs, lead the 11-team field both days to capture a first place finish with a four-man, 36-hole total of 644. Junior Dave Gardner from Knox College fired a 75-74-149, a new tournament record, to capture first place individually.

Although Rose had home course advantage, many of the team had played Hulman Links before and were familiar with the layout. Rain cancelled the pre-tournament practice round on Thursday so all 11 teams went into Friday without practice. Rose shot a 345 the first day, putting the team in seventh place. But they moved up two places the second day of play to finish fifth with a 687. Knox College followed Millikin with a 663 team total and Washington University was third with a 667. Rose-Hulman's second team took last place, but it gave more Rose golfers a chance to compete. Mark Bower lead the team with a 180 (39th place).

Junior Mark Adams, Rose's number one man, shot a 167 to lead the Rose team and finish 10th place overall. Adams won the tournament his freshman year. Other Rose scores were Rob Haynes - 169 (17th place), Ron Neumeyer - 176 (26th place), Anthony Gilkison - 179 (36th place) and Terry Butcher - 193 (50th place).

Coach Baca was satisfied with the team's play, but would like to have placed much better in the last Rose-Hulman Invitational he will coach. Baca started the tournament four years ago in hopes of making it a very competitive invitational for mainly NCAA Division III schools. The results have shown he was successful. At the banquet Friday night held for all the teams, the coaches and players gave Baca a standing ovation for his work in making this tournament one of the best in the state, and as a tribute to his last year at Rose.

In other play, Rose traveled to the Franklin Invitational on the 16th of April to place fourth in the 14-team tournament. Rose shot a team total of 401, just 10 strokes behind first place finisher Indiana Central. It was a good comeback for the team after a finish at their invitational that was not as high as they would have liked. Adams lead the team with a 77 to place seventh in the 80-man field. Other Rose scores were Neumeyer - 79, Haynes - 80, David Bramer - 81, Gilkison - 84 and Bower - 90.

## GOLF (26-15-2)

3/31 - at Hanover Invit. (1st of 6)  
4/6 - at I.U.-S.E. Invit. (2nd of 4)  
4/7 - at Anderson Invit. (7th of 11)  
4/13,14 - RHIT Invit. (T5th of 11)  
4/16 - at Franklin Invit. (T4th of 14)  
4/19 - at Martinsville Triang. (2nd of 3)  
4/28 - at Wabash Invit. 10 a.m.  
4/29, 30 - at Wittenberg Invit., 10 a.m.  
5/2,3,4 - at C.A.C. Chmps., Centre

## TOP INDIVIDUAL GOLF RECORDS

NAME	ROUNDS	STROKES	AVERAGE	LOW ROUND	DATE	TOP FINISH
Mark Adams	7	548	78.3	74-4	7/4/19	1st-3/31,4/6
David Bramer	5	410	82.0	80-3	3/31	3rd-4/6
Rob Haynes	7	582	83.1	78-3	3/31	3rd-3/31
Ron Neumeyer	7	593	84.7	78-4	3/31	8th-3/31
Anthony Gilkison	6	519	86.5	75-4	3/31	—
Mark Bower	4	354	88.5	84-4	3/31	—
Dennis Aldridge	5	456	91.2	80-3	3/31	4th-3/31
TEAM	32	2,638	82.4	390-4	3/31	1st-3/31

# Rose tracksters run in Little State

Rose-Hulman's track team will travel to Indiana Central University Saturday to compete in the Little State Championships. The event is open to every college and university in the state with the exception of Division I schools Indiana, Purdue, Indiana State and Ball State universities and the University of Notre Dame. The meet begins at 12 noon.

The Engineers competed in two meets last weekend, sending their top competitors to the Indiana Intercollegiate Championships in Indianapolis and the majority of the team to the Ecumenical Championships at

Illinois Wesleyan University. Rose-Hulman placed sixth of 11 teams at the Indiana Intercollegiate and ninth of 16 teams at the Ecumenical Championships. Indiana University won the Indiana Intercollegiate, while Augustana College (Ill.) captured the Ecumenical title.

Rose-Hulman had two firsts at Indianapolis, with Stacy Himes winning the discus with a school record heave of 162-0, and John Hanger winning the javelin with a throw of 189-8. Second-place finishers at Indy included Gerard Tarantino in the javelin and Marty Jones in the discus.

## TRACK (6-1)

3/24 - Hanover College (W, 111.5-42.5)	4/14 - Wabash Relays (no team scoring)
3/27 - at Wabash College (W, 99-90)	4/21 - at Ecumenical Invit. (9th of 16)
with St. Joseph's (W, 99-0)	4/21 - at Indiana Intercol. (6th of 11)
3/31 - at Anderson College (L, 82-77)	4/28 - at Little State, Ind. Cent. 12 p.m.
4/7 - Millikin Univ. (W, 103-54)	5/2, 3, 4 - at C.A.C. Chmps., Centre
Ill. Wesleyan Univ. (W, 103-31)	5/11, 12 - at I.U. Hayes Chmps., 2 p.m.
and Olivet Nazarene (W, 103-18)	5/23, 24 - at NCAA Chmps., Carleton Col., MN

## INDIVIDUAL TRACK BESTS

100 - Steve Nerney 11.1 (3/27)	I.J. - Gary Martin 22.1 (3/31)
200 - Brian Cavagnini 22.31 (4/7)	H.J. - Craig Dargan 6-0 (3/24, 27, 4/7)
400 - Brian Cavagnini 49.81 (4/7)	T.J. - Gary Martin 44-5 1/2 (4/11)
800 - Kurt Kelso 1:56.88 (4/7)	P.V. - Dave Beil 1:34 (3/27)
1,500 - Greg Gibson 4:06.1 (4/7)	S.P. - MARTY JONES 51-10 1/2 (4/7)
5,000 - Dean Kunz 15:47.2 (3/27)	DIS. - STACY HIMES 162-0* (4/21, 11)
10,000 - R. Hruskovich 33:50.4 (4/21)	MARTY JONES 159-8 3/4 (4/11)
110 HHI - Bill Sears 15.28 (3/31)	JAV. - Chris Trapp 193.5 (3/31)
400 HHI - Earl Wiggins 57.52 (4/7)	400 REL. - Schrader, Sears, Cavagnini
3,000 SC - Gene Le Bouef 9:48.18 (4/7)	Nerney 12.66 (4/7)
	1,600 REL. - Bartley, Willard, Kelso
	Cavagnini 3:24.20 (4/7)

ALL CAPS denotes NCAA qualifier

\* Denotes school record

# Thorn Sports

## Rose uses hitting and pitching to sweep Franklin

by Bill Lorenz

Sophomore Jim Short smacked a grand slam home run to pace Rose-Hulman to a 11-8 victory last Friday in the opening game of a doubleheader against Franklin College. The Engineers went on to win the nightcap by a score of 4-1 to boost their season mark to 9-11.

In the opening contest, Rose collected 14 hits against the Franklin pitchers. Ron Bender led all Engineers with three hits, while Scott Lowe, Brent

Mewhinney, and Short added two hits each.

Shawn Kendinger earned the win as he pitched five strong innings for the Engineers.

Franklin drew first blood in the nightcap as they picked up a run in the first inning off starting pitcher Andy Burtner. John Sever replaced Burtner in the third inning and went on to pitch five sparkling innings. The only safety off of Sever was a single in

the seventh inning.

Rose scored all of their four runs in the fifth inning. Denny Wallen put the Engineers ahead to stay with an RBI single. Mitch Cain later tripled in that inning to drive in the third and fourth runs.

## First game

Rose-Hulman	321	040	1-1	14	1
Franklin	013	013	1-8	14	5

## Second Game

Rose-Hulman	000	040	0-4	7	0
Franklin	100	000	0-1	4	0



1984 ROSE-HULMAN TENNIS TEAM — Front Row (L. to R.): Cary Stokes, Mick Smythe, Dave Norman and Brian Ramey. Row two: Mukesh Solanki, Don Akers, Barry Peterson and head coach Randy Dickens. Row three: Steve Patterson, David Zabel and Chad Beesley.

# Tennis team takes court

The Engineer tennis team has a busy slate of action scheduled this week, hosting Franklin College and Indiana University-Purdue University-Indianapolis on Friday and Saturday, respectively, before traveling to DePauw University on Monday for its final regular season match. The Friday and Monday matches begin at 3 p.m., while Saturday's match, part of RHIT's Parents' Day festivities, begins at 11 a.m. Rose-Hulman was to travel to Indiana Central

University on Tuesday, April 24 before hosting Franklin.

The Engineers raised their record to 4-2 on the year when they defeated Indiana State University-Evansville 8-1 last Thursday in the first home match of the year. The win was second this season over ISU-E. Matches at Franklin and at home with Marian College were cancelled due to the weather.

Playing without the service of No. 1 man Cary Stokes, the Engineers were still able to han-

dle ISU-Evansville with ease. All six singles players won, including Brian Ramey, Mick Smythe, Barry Peterson, Don Akers, Dave Norman and Chad Beesley, while the doubles teams of Ramey-Akers and Norman-Beesley also were winners. Ramey and Norman now have the top records on the team at 6-3, while Beesley is next at 4-2. Norman and Beesley have the best doubles record thus far at 5-2.

## TENNIS (4-2)

3/20 - at Eastern Illinois (L, 9-0)	
3/21 - at Wabash College (W, 7-2)	
3/27 - at I.S.U.-Evansville (W, 7-2)	
3/29 - at Indiana State U. (L, 6-3)	
4/4 - at Wabash College (W, 6-3)	
4/6, 7 - at Little State (3rd of 10)	
4/19 - I.S.U.-Evansville (W, 8-1)	
4/24 - at Indiana Central Univ., 3 p.m.	
4/27 - Franklin College 3 p.m.	
4/28 - at I.U.-P.U.-Inpls. 11 a.m.	
4/30 - at DePauw University, 3 p.m.	
5/2, 3, 4 - at C.A.C. Championships, Centre	

## INDIVIDUAL

TENNIS RECORDS	TOTAL
SINGLES	
1-Cary Stokes	5-4
1, 2, 3-Brian Ramey (1-0, 3-2, 2-1)	6-3
2, 3-Mick Smythe (1-3, 5-2)	6-5
3, 4-Barry Peterson (1-0, 2-2)	3-2
4, 5-Don Akers (4-2, 1-2)	5-4
5, 6-Dave Norman (4-2, 2-1)	6-3
6-Chad Beesley	4-2
DOUBLES	
1-Stokes-Ramey	4-4
1, 2-Smythe-Peterson (0-1, 1-2)	1-3
2-Ramey-Akers	1-0
2-Smythe-Akers	2-2
3-Akers-Norman	1-1
3-Norman-Beesley	5-2

## Rose-Hulman Athletic Schedule - April 26-30

\* THU., APR. 26 -

BASEBALL - WABASH COLLEGE (2), 2 P.M., ART NEHF FIELD

\* FRI., APR. 27 -

TENNIS - FRANKLIN COLLEGE, 3 P.M., EAST COURTS ON CAMPUS

\* SAT., APR. 28 -

TENNIS - INDIANA U.-PURDUE U.-INDIANAPOLIS, 11 A.M., EAST COURTS ON CAMPUS

BASEBALL - FRANKLIN COLLEGE (2), 1 P.M., ART NEHF FIELD

Golf - at Wabash College Invitational, 10 a.m.

Track - at Little State Championships, Indiana Central University, 12 noon.

\* SUN., APR. 29 -

Golf - at Wittenburg University Invitational, 10 a.m.

Baseball - at DePauw University (2), 1 p.m.

\* MON., APR. 30 -

BASEBALL - INDIANA STATE UNIVERSITY, 3 P.M., ART NEHF FIELD

Golf - at Wittenburg University Invitational, 10 a.m.

Tennis - at DePauw University, 3 p.m.

\* Denotes part of Rose-Hulman's Parents' Day celebration



ACROSS

- 1 The ural
  - 4 Wise persons
  - 9 Crafty
  - 12 Lamprey
  - 13 Worship
  - 14 Cravat
  - 15 Come into view
  - 17 Traps
  - 19 Harvests
  - 21 Beverage
  - 22 Deposits
  - 24 Flap
  - 26 Pierce
  - 29 Nuisances
  - 31 Hit lightly
  - 33 Honest
  - 34 Negative prefix
  - 35 Soak up
  - 37 Cut of meat
  - 39 Note of scale
  - 40 Pinch
  - 42 Prohibit
  - 44 Cupolas
  - 46 Trade for money
  - 48 Bushy clump
  - 50 Fruit cake
  - 51 Organ of hearing
  - 53 Carried
  - 55 Tinted
  - 58 Public official
  - 61 Help
  - 62 Railroad station
  - 64 Man's nickname
  - 65 Footlike part
  - 66 Scorches
  - 67 Consume
- DOWN
- 1 look
  - 2 dressline
  - 3 prison guard

- 4 Epic sea tale
- 5 Skilled
- 6 Proceed
- 7 Bitter vetch
- 8 Dispatched
- 9 Layers
- 10 Falsehood
- 11 Affirmative
- 16 Remains at ease
- 18 Roman bronze
- 20 Posed for portrait
- 22 Twirls
- 23 Uncanny
- 25 "—"

- 41 Begs children
- 43 Negative
- 45 Title of respect
- 47 Young boy
- 49 Giver of gift
- 52 Cincinnati ballplayers
- 54 Small colloq.
- 55 Weaken
- 56 Hasten
- 57 River in Scotland
- 59 Brown kiwi
- 60 Still
- 63 Parent

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## CROSS WORD PUZZLE

FROM COLLEGE  
PRESS SERVICE

## Campus Notes

### BLACK STUDENTS' S.A.T. SCORES KEEP CLOSING THE GAP

The gap between black and white students' scores has narrowed again, the College Board says.

Asian-American students continue to have the highest average scores, while men score an average 20 points higher than women on the verbal portion and 48 points on the math portion.

### BANKING BECOMES A FAVORITE FOR LIBERAL ARTS MAJORS

Stanford sav banking was the most popular job among last spring's liberal arts grads, followed by retailing, sales, consulting and finance.

Education, publishing, government and research, the old favorites, ranked 7th, 8th, 10th and 13th, respectively.

### JOHN HOPKINS PRESIDENT STEVEN MULLER OFFERS \$100 TO ANY STUDENT WHO CAN CRACK AN OLD CAMPUS SAFE

Officials lost the combination to an old classroom safe building vault years ago, and no one knows what's in it.

Muller says he'll give \$100 to the student who can get it open again, but prohibits the use of explosives or anything else that could damage the safe.

## Ray's Brain Busters

The following puzzles were provided by Mr. Ray Coopridger, who went to Rose Polytechnic for two years as a member of the class of 1935.

These puzzles are a special interest to Mr. Coopridger. He challenges Rose-Hulman students to solve them and invites them to write him for solutions. His address is: Ray T. Coopridger, 2001 Valley Ave. N.E., Puyallup, WA 98371.

Four fellows have gathered a large pile of coconuts. The last evening they agree to divide their crop next morning. After retiring, the leader decides to take out his 1/4 first, so soon as the others are asleep, he gets up, and knowing the total number of coconuts, counts out 1/4, and, knowing there will be 2 left over, throws 2 to a monkey. He then hides his 1/4 and goes back to bed.

Later one of the other fellows decides the same thing, only he doesn't know the total number of coconuts, as he has to count out 4 equal piles. There are 2 left over,

which he tosses to the monkey. He then hides his pile and goes back to bed. A little later, another fellow does the same thing, he too doesn't know the total number of coconuts, so he has to count out 4 piles with 2 left over for the monkey. He then hides his pile and goes back to bed. Later the fourth fellow does the same thing the last 2 fellows did.

The next morning, they got up happy and eager to divide coconuts and get going home. None say anything about the reduced pile each thinking it was his doing.

When they make 4 equal piles again, there are 2 left over, which they give to the monkey.

How many coconuts were in the original pile, if the leader knows he now has 670 total, counting the ones he took in the night?

Hint: Had the morning division come out even, the leader would have gotten only 165, and the beginning total would've been much less.

(answer on P. 2  
Col. 3)

THORNIES

Rose-Hulman

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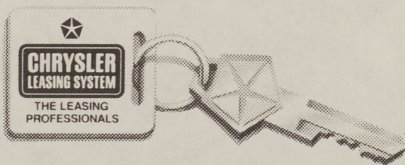
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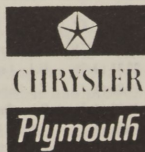
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